

What Is Claimed Is:

1. An organic electro-luminescent display device,
comprising:
 - a plurality of pixels on a substrate;
 - a thin film transistor coupled to each pixel;
 - an organic electro-luminescent device coupled to the thin film transistor;
 - a packaging layer on the organic electro-luminescent device, wherein the packaging layer comprises first and second inorganic layers having opposite stresses; and
 - a first organic layer between the first and second inorganic layers.
2. The device of claim 1, wherein the first and the second inorganic layers are formed of a same material.
3. The device of claim 1, wherein the first and second inorganic layers are formed of one of SiNx , SiOx , SiOxNy , Al_2O_3 , and TiO_2 .

4. The device of claim 1, wherein the first inorganic layer has a compressive stress with respect to the substrate, and the second inorganic layer has a tensile stress with respect to the substrate.

5. The device of claim 1, wherein the first inorganic layer has a tensile stress with respect to the substrate, and the second inorganic layer has a compressive stress with respect to the substrate.

6. The device of claim 1, wherein further comprising a second organic layer on the second inorganic layer.

7. The device of claim 6, wherein the second organic layer is formed of one of BCB and acryl.

8. The device of claim 1, wherein the first organic layer is formed of one or more layers.

9. The device of claim 1, wherein the organic electroluminescent device comprises a first electrode, a second electrode, and an organic emitting layer between the first electrode and the second electrode.

10. The device of claim 9, further comprising one of a LiF layer and a LiO layer between the second electrode and the organic emitting layer.

11. The device of claim 9, wherein the first electrode is formed of a transparent material.

12. The device of claim 11, wherein the transparent material is formed of one of indium tin oxide (ITO) and indium zinc oxide (IZO).

13. The device of claim 9, wherein the second electrode is formed of an opaque material.

14. The device of claim 13, wherein the opaque material is formed of one of Al, Ca, and Mg.

15. An organic electro-luminescent display device, comprising:

a plurality of pixels on a substrate;

a thin film transistor coupled to each pixel, the thin film transistor having a gate electrode, an active layer, and source/drain electrodes;

a capacitor having a power line connected to the source electrode, a polycrystalline silicon layer, and an insulating layer between the source electrode and the polycrystalline silicon layer;

an organic electro-luminescent device having a first electrode connected to the drain electrode, a second electrode over the first electrode, and an organic emitting layer between the first and second electrodes;

a first organic layer on the second electrode;

a first inorganic layer on the first organic layer;

a second organic layer formed of one or more layers on the first inorganic layer;

a second inorganic layer on the second organic layer and formed of a same material as the first inorganic layer, wherein the first and second inorganic layers have opposite stresses; and

a third organic layer formed of one or more layers on the second inorganic layer .

16. The device of claim 15, wherein the first inorganic layer has a compressive stress with respect to the substrate, and the second inorganic layer has a tensile stress with respect to the substrate.

17. The device of claim 15, wherein the first inorganic layer has a tensile stress with respect to the substrate, and the second inorganic layer has a compressive stress with respect to the substrate.

18. A method for fabricating an organic electro-luminescent display device, comprising:

forming a thin film transistor having an active layer, source/drain electrodes, and a gate electrode, and a storage capacitor having a storage lower electrode, an interlayer insulation layer, and a power line, on a transparent substrate;

forming a passivation layer exposing portions of the drain electrode, the source electrode, and the power line;

forming an organic electro-luminescent device having a first electrode, an organic emitting layer, and a second electrode on the passivation layer;

forming a first organic layer on the second electrode;

forming a first inorganic layer on the first organic layer;

forming a second organic layer formed of one or more layers on the first inorganic layer;

forming a second inorganic layer on the second organic layer, the second inorganic layer formed of a same material as the first inorganic layer, wherein the first and second inorganic layers have opposite stresses; and

forming a third organic layer formed of one or more layers
on the second inorganic layer.